

## KEAM 2024 Physics Model Question Paper PDF 1

1. To heat up a one-kilogram piece of metal by 90 K, 4090 J of thermal energy is added. What is the specific heat capacity of the metal?

1. 4544 J/Kg.K
2. 45.44 J/Kg.K
3. 4.54 J/Kg.K
4. More than one of the above
5. None of the above

2. The Refrigerator works on which of the following principles?

1. Osmosis
2. Evaporation
3. Dispersion
4. More than one of the above
5. None of the above

3. When air is heated, it transforms into

1. Lighter
2. Heavier
3. Colder
4. More than one of the above
5. None of the above

4. Consider the following statement,

1. Heat can change the temperature of an object.
2. Heat can change the state of an object.
3. Heat can increase the rate of chemical change.

Which of the above statements is/are correct?

1. 1 only
2. 1 and 2 only
3. 2 and 3 only
4. More than one of the above
5. None of the above

5. What type of waves are light wave?

1. Transverse wave
2. Longitudinal wave
3. Both A & B
4. None